Hyper Panel 288
User Manual

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Please read over this manual before operating the light

1. Summary

Thank you for purchasing our products. Please read these instructions carefully prior to operation. Use the fixture according to these instructions to reduce the chance of damage and accident.

➢ Product Introduction

This led wash light is designed in ultra-thin form. It uses high brightness R, G, B, A, and W LED with color mixing ability. Each color can be independently dimmed. It utilizes a switching power supply, making it low in weight and power consumption. The built-in programs include dimmer, strobe, gradual change, fading, and more. It may be controlled remotely by DMX 512 signal.

➢ Packing list

- Hyper Panel 288 1PC
- Bracket 1PC
- Plastic screws 2PCS
- DMX cable 1PC
- User manual
- Warranty Card

2. Safety Information

➢ Safety Notes

- ➢ ! Repairs should be attempted only by qualified professionals;
- ➢ ! Always make sure disconnect from the power source before setting up, servicing and moving;.
- ➢ **!** Avoid direct eye exposure to the LED output when it is on;

➢ Safety Instructions

● Make sure the power supply voltage is consistent with the requirements of this fixture.

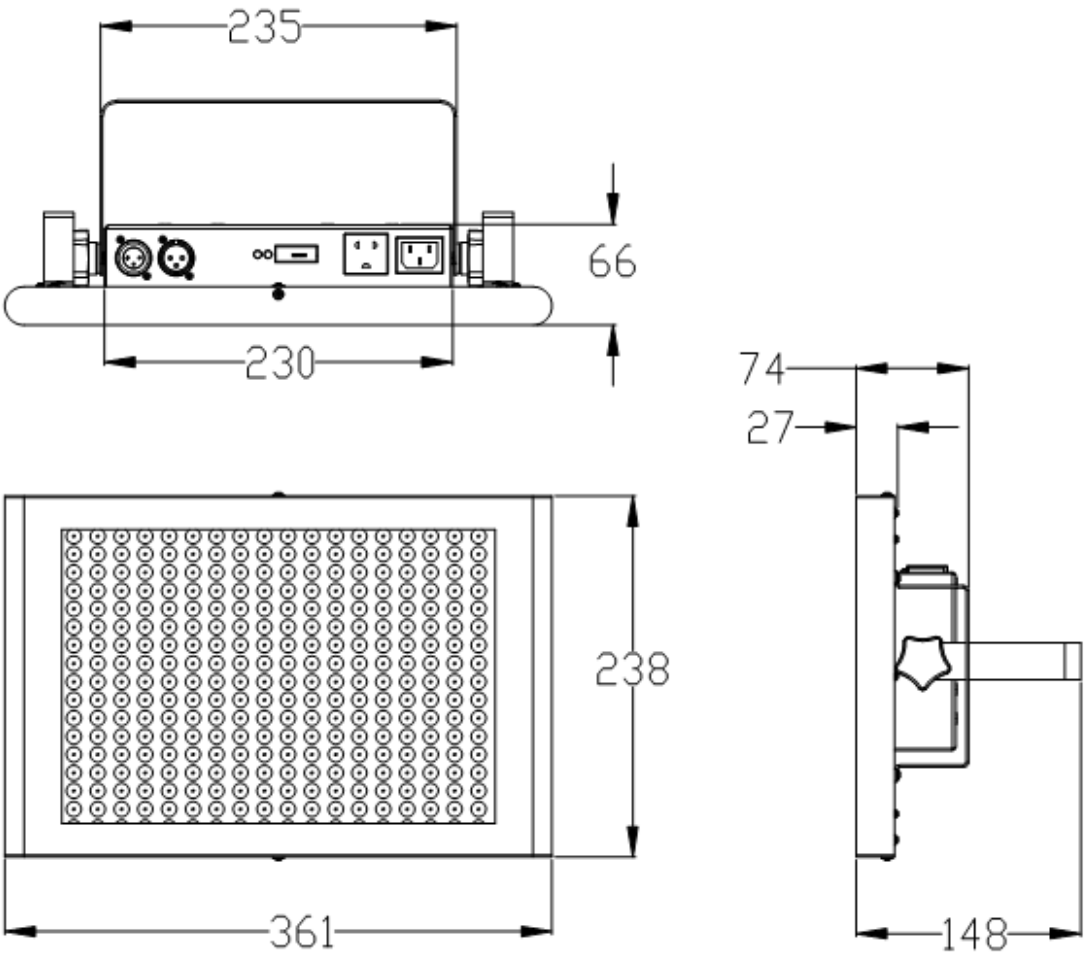
●Before the installation, please ensure that the light's fasteners and mechanical structure have been received in good condition and there is no damage.

●This light is designed for indoor use only. Ambient temperature should not exceed 40 degrees Celsius.

●This fixture maybe mounted in any position provided there is adequate room for ventilation. Make sure there are no inflammable and explosive items within 0.5 meters of any surface of this unit.

●Please make sure that this fixture is properly grounded.

3. Dimensions



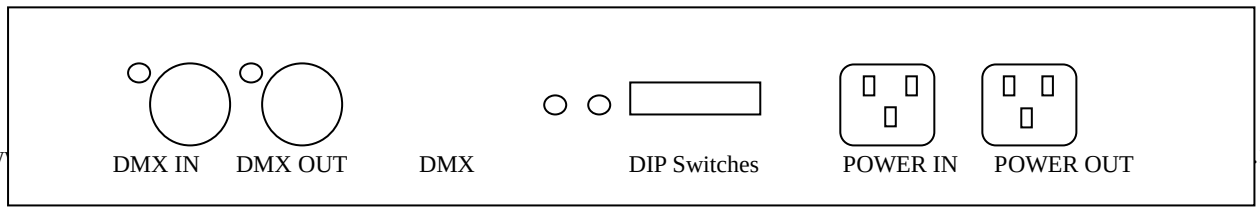
4. Product Features

- High quality LED's: low power consumption, brightness, stable capability and long life
- Each color of LED dims in 256 increments.
- May operate via DMX-512 Controller.
- Master/slave/interconnected operating modes
- Functions: Strobe, color fades, color snaps
- Uses switching power supply to protect the LED's
- DMX512 channels: 9 channels

5. DMX Control Function

Channel	DMX Value	Control Function	Remark	Priority
1CH	0-255	Red Dimming 0——100%		1
2CH	0-255	Green Diming 0——100%		
3CH	0-255	Blue Dimming 0——100%		
4CH	0-255	Amber Dimming 0-100%		
5CH	0-255	White Dimming 0-100%		
6CH	0-255	Master Dimmer/ Speed of Macros	When the 7CH is between 250-255，this channel adjusts the Macro speed	
7CH	0-9	Not used		3
	10-249	24 colors combinations	CH1-CH5 is inactive, CH6 adjusts speed	
	250-255	Color jumping change		
8CH	0-1	Invalid		3
	2-255	Strobe		
9CH	0-15	invalid		2
	16-255	Gradual change		

6. Display Operation



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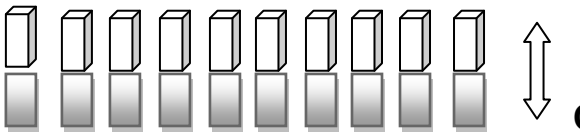
7. Fixture Operation

- When Switch 10 is set to “ON”, the unit is in DMX mode and switches 1-9 determine the DMX address
- When Switch 10 is set to “OFF”, the unit runs off built-in programs, which are determined by the setting of Switches 1-9. Unit will send DMX signal mimicking it’s actions for any slave units you wish to attach.



1 2 3 4 5 6 7 8 9 10 （10 dip-switch）

1 2 4 8 16 32 64 128 256 DMX（ON/OFF）

- Built-in Programs: Activate by turning switch 10 to “OFF”; (unit will send DMX signal as master)

1. Turn Switch 1 on to activate red diodes; turn Switch 2 on to activate green diodes; turn Switch 3 on to activate blue diodes. Switches 4-6 are used to activate the strobing function. (Dip-switch 9-10 should be off).

- Sound Active Mode:

1. Single Fixture: Dip-switch 9 in the position “ON”, 10 in the position “OFF”. LED’s will change color to sound.
2. Master/Slave Setup for Sound Active Action

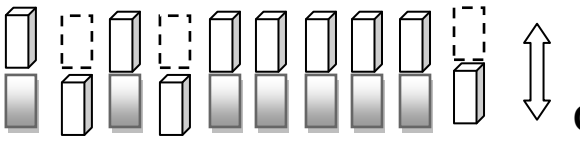
Master: Dip-switch 9 in the position “ON”, others set to “OFF”

Slave: Dip-switch 1, 10 in the position “ON”, others are “OFF”.

- DMX 512 signal receive (Dip-switch 10 in the position “ON”)

1. DMX address will be determined by adding the numbers below the switches set to “ON”. In the figure below, switches 2 and 4 are on, therefore the DMX address is 2+8=10. The

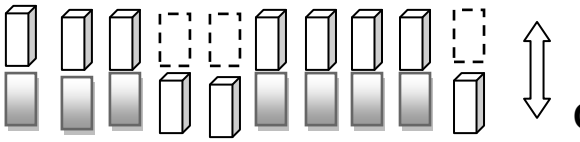
DMX controller (not included) should be configured to the same start address.



1 2 3 4 5 6 7 8 9 10 （10 Dip-switch）

1 2 4 8 16 32 64 128 256 DMX（ON/OFF）

In the example below, switches 4 and 5 are set on. Therefore the DMX address is 8+16=24.



1 2 3 4 5 6 7 8 9 10 （10 Dip-switch）

1 2 4 8 16 32 64 128 256 DMX（ON/OFF）

8. Master/Slave Operation

Units may be set in a master/slave orientation so that all of the slaves will have the same operation of the master. First, daisychain all of the units together using XLR cable. The first unit of the chain will be the master and the rest will be slaves.

Master： Units are always set in Master mode (i.e. outputting DMX signal that mirrors their own operation) unless they are set in DMX mode (Switch 10 set “ON”). Signal lines longer than 60 meters or 20 fixtures should utilize a signal amplifier.

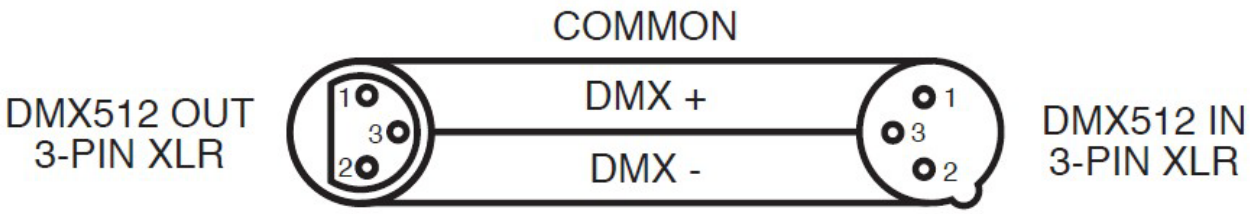
Slave： For each slave unit, set Switches 10 and 1 in the position of “ON”.

Note: This product uses input and output power cord 0.75 m ㎡ copper core wire that allows the units to be powered together. When using 220V AC, link no more than 35 units together. Using 115V AC, link no more than 20 lights! ! !

9. XLR Cable Connections

- **XLR cable：**
- XLR/DMX connections are connected male to female, as shown below:
- pin 1:ground,pin 2: negative signal, pin 3: positive signal

XLR Pin Configuration
Pin 1 = Ground
Pin 2 = Data Compliment (negative)
Pin 3 = Data True (positive)



Note : In order to avoid failures and interference with signal transmission, use a terminator plug. Between pins 2 and 3, connect a resistance120Ω（1/4W） at the end of the DMX connecting as below:

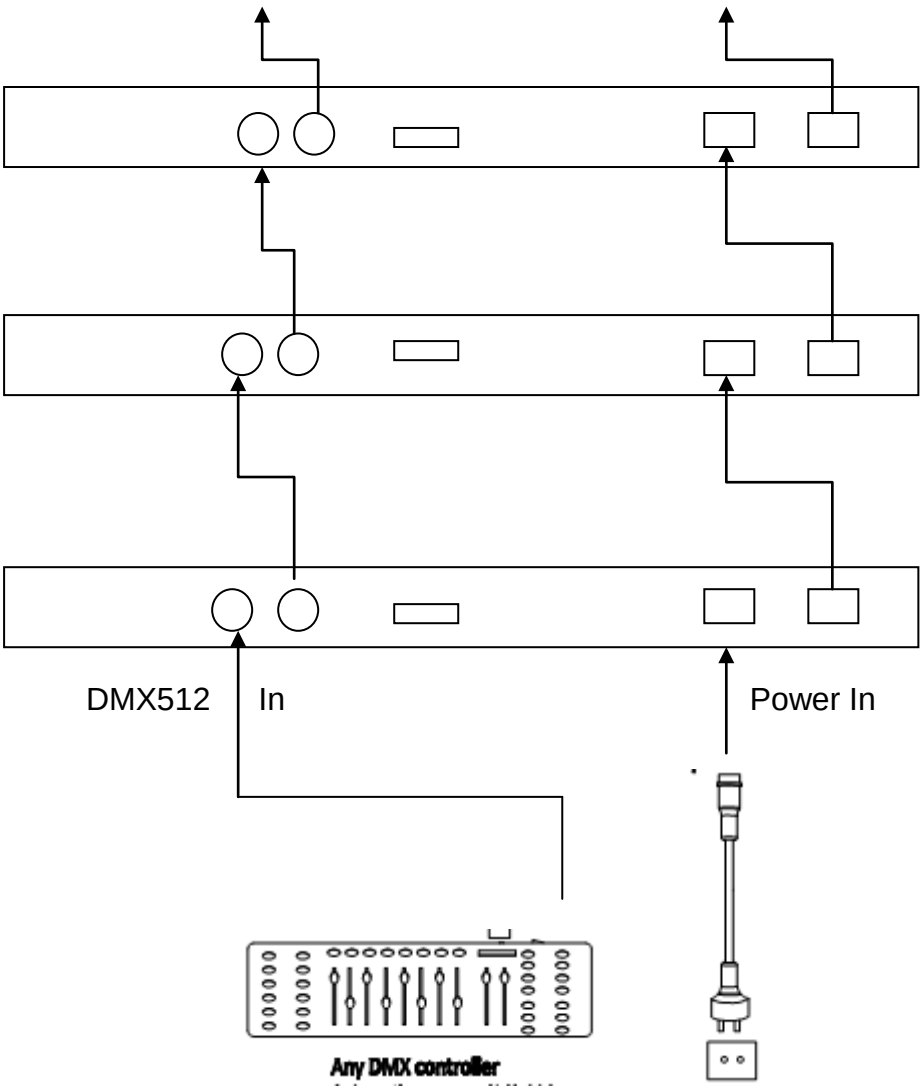
Termination reduces signal errors and avoids signal transmission problems and interference. It is always advisable to connect a DMX terminal, (Resistance 120 Ohm 1/4 W) between PIN 2 (DMX-) and PIN 3 (DMX +) of the last fixture.

- Conversion between 3-pin and 5-pin XLR
- If the output cable of DMX 512 controller is the 5-PIN, please use a 5-PIN to 3-PIN adapter.

3-Pin XLR to 5-Pin XLR Conversion		
Conductor	3-Pin XLR Female (Out)	5-Pin XLR Male (In)
Ground/Shield	Pin 1	Pin 1
Data Compliment (- signal)	Pin 2	Pin 2
Data True (+ signal)	Pin 3	Pin 3
Not Used		Do Not Use
Not Used		Do Not Use

10. Connecting Diagram

- Fixture connecting picture：



11. Troubleshooting

Problem	Possible Solution/Cause
Can not turn on the light	● Ensure the power plug is fully inserted ● Ensure the power switch for the lights is on ● Check the fuse continuity
DMX not functioning	◆ Check the DMX cable is connect to the lights ◆ Check the DMX512 controller for signal output ◆ Check if the lights is in DMX mode（Switch 10 to “ON”)
Display not bright	◆ When connect to the electricity ,did the led flash one time? If so , the power source is normal; If not ,please check if the switch and the transformer has power out ◆ Check if the power input of the IC board is normal ◆ Check if the cable connect to the display loose ◆ Change the main board to see if it is normal. ◆ Change the display
LED's not coming on	◆ When connect to the electricity ,did the led flash one time? If so , the power source is normal; If not ,please check if the switch and the transformer has power out ◆ Check if the power input of the IC board is normal ◆ Check if the cable connect to the display loose ◆ Change the main board to see if it is normal. ◆ Change the display
	◆ LED is connect in series first, then in parallel. Check to see if any LED's are loose. ◆ Use the multimeter to check if the led is powered or not. If not,

Some of the LED's not coming on.	please change the led. ◆ Check whether current limiting resistor is normal or not ◆ Check constant current IC is normal or not (compared with the normal IC)
Single color LED's Always bright/not bright	◆ Check the switch of this color is normal or not ◆ Change the IC control board

12. Technical Specification

- Input voltage：AC 95-260/50-60HZ
- Power Consumption：22W
- Lamp Type：High Power LED(10 mm)
- Lamp Spec：R（56PCS), G（56PCS), B（56PCS), A（60PCS), W（60PCS）
- Control Signal：DMX512, Master/Slave
- Control mode：stand alone/ DMX/ master and slave
- Number of Channels： 9CH
- Color effect：R, G, B, A, W mixing
- Built-in Effects：dimmer, strobe, snap, and gradual change
- Beam Angle:25°
- Cooling mode: Natural Convection
- Protection Rating: IP20
- Anti-electricity intension：1.5KV
- Insulation Resistance：＞2 MΩ
- Size:：：365*245*80mm
- Net Weight：3.2KG